

Data sheet



MADE WITH VERSION: 7.03
28.02.2012

Manufacturer

VEM motors GmbH
Carl-Friedrich-Gauß-Straße 1

Customer

D-38855 Wernigerode

Three-phase motors with squirrel cage rotor, standard motors

Housing grey cast iron

Type	IE2-WE1R 225 S4 KV NS VL HW		
Design output		37	
Design torque	(Nm)	240	
Class IE	(-)	IE2-92,7%	
Efficiency determination		EN 60034-2-1	
Duty type		S1	
Design frequency	(Hz)	50	
Design speed	[rpm]	1475	
Voltage	(V)	400/690	
Connection	(-)	D	Y
Current	(A)	68.5	39.7
Relative pull-in current	(-)	7,4	
Relative starting torque	(-)	2,2	
Relative pull-out torque	(-)	2,7	
Efficiency100/75/50 %	(%)	92,7 / 91,8 / 90,7	
Power factor	(-)	0,84	
Th. cl.		155(F)	
Coolant temperature	(°C)	40°C	
Altitude above sea level	(m)	1000m	
Degree of protection		IP55	
Moment of inertia	(kgm ²)	0,313	
Motor weight	(kg)	313	
Bearing, D-side		NU 313 E	
Bearing, N-side		Q 312 M C3	
Relubrication interval	(h)	4000	
Grease type		Klüberquiet BQ 72-72	
Grease amount	(g)	65/50	
Special details to bearings 1		none	
Special details to bearings 2		Fixed bearing, N-side	
Bearing monitoring		none	
Winding protection		none	
Winding protection 2		none	
Anti-condensation heating		none	
Special versions 1		none	
Special versions 2		Version with steel feet	
Special versions 3		none	
Special versions 4		none	
Limit values to vibration velocity		Class A	
Balancing with half key			
Colour system		Moderate	
Colour shade		RAL 7001 silver grey	
Layer thickness		70 µm	

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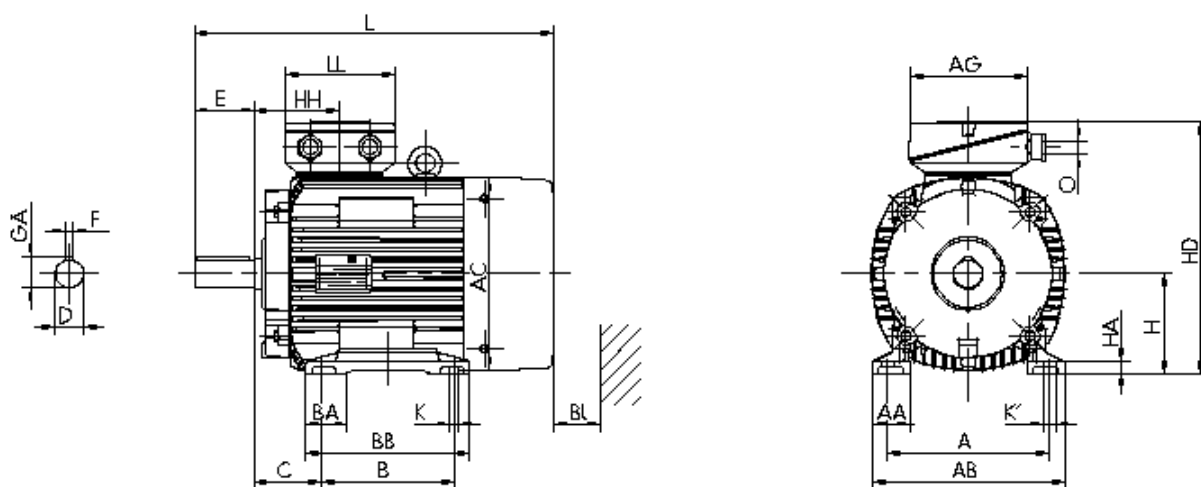
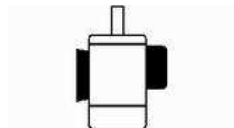
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Mounting position

Type of mounting: IM V6
Flange: -
Position of terminal box: on the top

Terminal box: KK 100 A
Cable gland O: 1 xM 50x1,5



Motor

A	AA	AB	AC	AD	B	B'	BA	BA'	BB	C	CA	K	K'
356	75	413	390	-	286		75	-	343	149	-	19	25

Terminal box

L	LC	H	HA	HD	HH	BI	AG	LL	BE	AH
797	-	225	25	527	168	40	213	207	-	-

Flange

P	N	LA	M	T	S
-	-	-	-	-	-

Tolerances

H	N	D	DA
-0,5	h6	m6	m6

Shaft-DS

D	E	GA	F	DB	DA	EA	GC	FA
60	140	64	18	DIN 332 DS- M20	-	-	-	-

Shaft-NS

DB...Centre hole